

Information sheet for the course Laboratory practice II.

University: <i>Alexander Dubček University of Trenčín</i>	
Faculty: <i>Faculty of Health Care</i>	
Course unit code: <i>LabPx2/e</i>	Course unit title: <i>Laboratory practice II.</i>
Type of course unit: <i>compulsory</i>	
Planned types, learning activities and teaching methods: <i>Practice: 25 hours weekly/ 325 hours per semester of study; full-time</i>	
Number of credits: 3	
Recommended semester: <i>4th semester in the 2nd year (part-time)</i>	
Degree of study: <i>I (bachelor)</i>	
Course prerequisites: <i>Laboratory practice I.</i>	
Assessment methods: <i>A student obtains credits after completion of the prescribed number of hours given to specialized work during laboratory practice. The practical tasks given to students by co-operating external mentors from the partner laboratory workplace, must be managed. A student can obtain maximum of 40 points. For active participation a student obtains maximum of 10 points. All together 50 points for the course.</i> <i>To obtain A, a student must score at least 45 points, to obtain B, a student must score at least 40 points, to obtain C, a student must obtain at least 35 points, to obtain D, a student must obtain at least 30 points, and finally to obtain E, a students must to obtain at least 25 points.</i>	
Learning outcomes of the course unit: <i>Based on the knowledge gained from successful completion of the course “Laboratory practice I”, a student gains routine manual skills in in the basic disciplines of laboratory examination methods within health care, with the emphasis put on clinical biochemistry and clinical microbiology. A student acquires knowledge and skills necessary to conduct independent calibration of analytical methods and quality management.</i>	
Course contents: <ol style="list-style-type: none"> 1. <i>Operation laboratory analysers – general.</i> 2. <i>Calibration of the apparatus, rules and possible errors.</i> 3. <i>Laboratory specific standard operating procedures carried out in a given laboratory workplace.</i> 4. <i>Principles of creation and modification of standard operating procedures, according to the standards.</i> 5. <i>The results of laboratory tests, their judgment with respect to the reference limits/bounds.</i> 6. <i>Internal control management, application of Westgard rules.</i> 7. <i>External quality control, principles and procedures, solving disagreements.</i> 8. <i>Validation of laboratory results, policies – principles and procedures.</i> 9. <i>Communication with caregivers, rules to report results.</i> 10. <i>Quality management of specific laboratory workplace – controlled documentation of a workplace.</i> 11. <i>Ethical aspects of laboratory work.</i> 	

Recommended of required reading:

1. PRŮŠA, R., ČEPOVÁ, J., PETRTÝLOVÁ, K. 2002. Příručka laboratorních vyšetření. Triton, Praha, 2002, 139 p., ISBN 8072542737.
2. ŠTEFANOVIČ, J., HANZEN, J. 2012. Mikroorganizmy človeka v zdraví a chorobe. HPL SERVIS, Bratislava, 2012, 190 p., ISBN 9788097115104.
3. DOLEŽALOVÁ, V., a kol. 1995. Principy biochemických vyšetřovacích metod I., IDVPZ, Brno, 1995, 234 p., ISBN 807013206-X.
4. DOLEŽALOVÁ, V., a kol. 1995. Principy biochemických vyšetřovacích metod II., IDVPZ, Brno, 1995, 230 p., ISBN 807013206-X.
5. MEŠKO, D., PULLMANN, R., NOSÁLOVÁ, G. 1998. Vademékum klinickej biochémie. Osveta, Martin, 1998, 1647 p., ISBN 8080630054.

Language: Slovak**Remarks:****Evaluation history:**

Number of evaluated students: 59

a	b	c	d	e	f
96.61%	0.00%	3.39%	0.00%	0.00%	0.00%

Lectures:

RNDr. Vladimír Meluš, PhD., MPH, Ing. Jana Netriová, PhDr. Katarína Kašlíková PhD., Bc. Jana Gavendová, Mgr. Lucia Dorová, doc. Jana Slobodníková, CSc.

Last modification: 22.4.2014**Supervisor:** doc. MUDr. Jana Slobodníková, CSc.